

Application Serial No. 10/630,034
Amendment dated March 17, 2006
Reply to Office communication of December 19, 2005

Amendments to the Claims:

The listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1 to 39 (canceled without prejudice or disclaimer)

40. (previously presented): A process for coating a conductive substrate comprising:

(i) contacting said substrate with an aqueous composition in which the major component is water having polymerizable reactants dispersed in said water and an inorganic particulate carrier having a particle size less than 20 microns and having sorbed on said inorganic particulate carrier a catalyst for said polymerizable reactants, wherein said catalyst is a metal containing catalyst having a water solubility less than 1% by weight in water at 25° C. based upon the weight of metal in said catalyst and is a liquid when sorbed onto said inorganic particulate carrier;

(ii) passing an electric current between said substrate and a counter-electrode in electrical contact with said aqueous composition until a coating of a desired thickness is deposited from said composition onto said substrate to obtain a coated substrate;

(iii) removing said coated substrate from said aqueous composition; and

(iv) curing said coating.

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41. (canceled without prejudice or disclaimer).

42. (previously presented): A product produced by the process of claim 40

43. (currently amended): A product produced by the process of coating a
conductive substrate comprising:

(i) contacting said substrate with an aqueous composition in which the
major component is water having polymerizable reactants dispersed in said water and
an inorganic particulate carrier having a particle size less than ~~20-microns~~ 100
microns and having sorbed on said inorganic particulate carrier a catalyst for said
polymerizable reactants, wherein said catalyst is a metal containing catalyst having a
water solubility less than 1% by weight in water at 25° C. based upon the weight of
metal in said catalyst and is a liquid when sorbed onto said inorganic particulate
carrier;

(ii) passing an electric current between said substrate and a counter-
electrode in electrical contact with said aqueous composition until a coating of a
desired thickness is deposited from said composition onto said substrate to obtain a
coated substrate;

(iii) removing said coated substrate from said aqueous
composition; and

(iv) curing said coating.

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44. (new): A product produced by the process of claim 43 wherein said catalyst is in a liquid phase when sorbed onto said inorganic particulate carrier.

45. (new): A product produced by the process of claim 44 wherein said catalyst is in a liquid phase by being dissolved in a nonaqueous solvent.

46. (new): A product produced by the process of claim 44 wherein said catalyst is a solid at ambient temperature and is at a temperature above its melting point when sorbed onto said particulate carrier.

47. (new): A product produced by the process of claim 43 wherein said particulate carrier is selected from fumed silica, precipitated silica, alumina, aluminosilicates, aluminophosphates, zeolites, diatomaceous earth, titania, zirconia, magnesia, aluminum silicate, aluminum phosphate, talc, or carbon.

48. (new): A product produced by the process of claim 43 wherein said catalyst is an organo-metallic catalyst.

49. (new): A product produced by the process of claim 48 wherein said catalyst is an organotin compound.

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50. (new): A product produced by the process of claim 49 wherein said organotin compound is selected from dibutyltin dilaurate, dibutyltin dioleate, dimethyltin dilaurate, dimethyltin distearate, bis(tributyltin)oxide, bis(trioctyltin)oxide, bis(triphenyltin)oxide or triphenyl-tin hydroxide.

51. (new): A product produced by the process of claim 50 wherein said organotin compound comprises bis(trioctyltin)oxide.

52. (new): A product produced by the process of claim 48 wherein said particulate carrier is selected from fumed silica, precipitated silica, alumina, alumino silicates, alumino phosphates, zeolites, diatomaceous earth, titania, zirconia, magnesia, aluminum silicate, aluminum phosphate, talc, and carbon and has a particle size less than 100 microns.